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| **P.V.P Siddhartha Institute of Technology** |
| **Department of Computer Science and Engineering** |
| **Course: B.Tech** | **Year: III** | **Semester: II** | **A.Y:2024-25** | **Date:27-01-2025** |
| **Subject Code:** **20CS6621** | **Subject Name: Data Visualization** | **Regulation:PVP20** |
| **I Mid Examination** |
| **Q.No** |  | **CO** | **Level** |
| **1.a)** | Construct a conceptual framework for information processing model of human visual perception | 1 | 3 |
| **b)** | With a neat sketch explain schematic diagram of the visualization process | 1 | 2 |
|  |
| **2.a)** | Illustrate the Functional view of the visualization pipeline with a neat diagram. | 2 | 3 |
| **b)** | How to contour properties and colour mapping are applied on scalar data | 2 | 3 |
|  |
| **3.a)** | How to make use of vector glyphs technique for visualizing vector fields and its variations in vector visualization | 2 | 3 |
| **b)** | Apply line integral convolution technique for texture based vector visualization | 2 | 3 |

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